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(FILE 'HOME' ENTERED AT 22:21:24 ON 18 MAY 2008)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH, LIFESCI' ENTERED AT 22:22:00 ON 18 MAY 2008

L1 77862 S DNASE OR S1(W)NUCLEASE  
L2 79802 S LIGASE  
L3 568 S L1 AND L2  
L4 9299 S RANDOM?(4A) (INSERT? OR INTEGRAT?)  
L5 1 S L3 AND L4

=> d bib ab 15

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2006:1029424 CAPLUS  
DN 145:370751  
TI Method of introduction of random mutation to DNA  
IN Fujii, Ryota; Kitaoka, Motomitsu; Hayashi, Kiyoshi  
PA National Food Research Institute, Japan  
SO Jpn. Kokai Tokkyo Koho, 12pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 2006262838	A	20061005	JP 2005-88811	20050325
PRAI	JP 2005-88811		20050325		

AB A method of the introduction of random mutation (substitution, insertion or deletion) to DNA (single strand or double stranded) has been developed. The process includes cleavage (enzymic or by ultra sounds) at random sites of the target DNA. The process includes the addition of multiple natural nucleic acids or nucleotide analogs at 3'-end (5 .apprx. 50 n.t. length) by terminal deoxynucleotidyltransferase, DNA polymerase, DNA ligase or RNA ligase. The process includes the extension by DNA polymerase in the presence or the absence of exogenous template DNA (DNAs containing uracil, methylated DNA, or DNA terminal biotin conjugates).